



MR CAREER PATH (SW)



Machinery Repairmen (MR). MRs perform intermediate maintenance on assigned equipment and in support of other ships, requiring the skillful use of lathes, milling machines, boring mills, grinders, the power hacksaw and drill press, and various portable machines as well as measuring instruments in a machine shop.

YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO ADVANCE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/SHORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
24-30	MRCM	24.3 Yrs	CSEL	36	4 th Shore Tour Billet: ECM/TECHAD, Training Manager, Instructor Duty: BUPERS, SWOS. Qualification: CSEL, SEA
21-24	MRCM MRCS	24.3 Yrs 24.3	CWO, CSEL	36	4 th Sea Tour Billet: Dept. LCPO, 3MC. Duty: Ship. Qualification: SW, AW, DCTT, 3MTT, CSEL, SEA, NEC 811A(3MC)
18-21	MRCS MRC	24.3 Yrs 12.7	CWO, CSEL, DAPA, RDC, Recruiter	36	3 rd Shore Tour Billet: Dept LCPO, Instructor, 3MC Duty: Schoolhouse, RTC, Recruiting, IMA/F, FRC. Qualification: MTS, SEA, NEC 805A (Instructor), NEC 811A (3MC)
15-18	MRC MR1	12.7 Yrs 7.7	CWO	36	3 rd Sea Tour Billet: LPO, LCPO, 3MC. Duty: Ship, NSW Qualification: SW, AW, DCTT/ETT, 3MTT, SEA, NEC 811A (3MC), EXW, QAS
12-15	MRC MR1	12.7 Yrs 7.7	LDO, CWO, OCS, DAPA, Brig, RDC, Recruiter, INSURV	36	2 nd Shore Tour Billet: MR Sup, Instructor, 3MC Duty: Recruiting, RTC, Schoolhouse, IMA/F, FRC. Qualification: MTS, SEA, NEC 805A (Instructor), NEC 811A (3MC)
8-12	MR1 MR2	7.7 Yrs 3.0	LDO, OCS	36	2 nd Sea Tour Billet: WCS, LPO, 3MC. Duty: Ship, NSW Qualification: SW, AW, DCTT/ETT, NEC 811A (3MC), EXW, 3MTT, NEC U31A (Adv. MR), NEC U32A (CNC), NEC U33A (NAMTS Inside Machinist)



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YEARS OF SERVICE	CAREER MILESTONES	AVERAGE TIME TO ADVANCE	COMMISSIONING OR OTHER SPECIAL PROGRAMS	SEA/ShORE FLOW	TYPICAL CAREER PATH DEVELOPMENT
5-8	MR2 MR3	3.0 Yrs 2.0	STA-21, OCS, Brig	36	1 st Shore Tour Billet: RDC, Recruiter, Instructor. Duty: Recruiting, Schoolhouse, IMA/F, FRC. Qualification: MTS, NEC 805A (Instructor), NEC U31A (Adv. MR), NEC U32A (CNC), NEC U33A (NAMTS Inside Machinist)
2-5	MR2 MR3	3.0 Yrs 2.0	Naval Academy, NROTC, OCS	48	1 st Sea Tour Billet: Operator/Maintenance Tech. Duty: Ship. Qualification: SW, AW
1+/-	MRFN MRFA Accession Training	9 Months			Recruit Training, "A" School

Notes:

1. "A" School not required.
2. MR is not a sea centric rating (refer to Sea/Shore Flow column).
3. MRs are not required to hold a security clearance, however, some billets may have security clearance requirements.
4. In rating shore duty is limited and are normally "A" or "C" School Instructors or at IMA, RMC, FRC and AIMD's. Many can expect a tour in Recruiting or as a Recruit Division Commander (RDC).
5. Tours at NPC and BUPERS require special screening.
6. Tour at BUPERS 3 as an Enlisted Community Manager or Enlisted Community Manager Technical Adviser are for high-performing E8s or E9s. It is a highly competitive tour requiring thorough understanding of the Rating and manning and manpower policies. ECMs handle multiple Ratings affecting thousands of Sailors, adjudicate Career Waypoints applications, develop and present advancement quotas, school quotas, accession and strength policies and initiatives for community health.
7. NEC information:
 - a. U31A - Advanced Machinery Repairmen perform calculations using basic algebra and trigonometry to manufacture spur, helical, bevel gears, and worm/worm wheels. Manufacture and repair precision parts from blueprints utilizing tool and cutter grinders, surface grinders, cylinder grinders, universal milling machines, optical comparators, surface finish analyzer, disintegrators, vertical turret lathes, and horizontal boring mills. Understanding the nature and physical properties of metal and alloys with demonstration and practice in metal testing, identification and heat treating.



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b. U32A - Computer Numerically Controlled (CNC) Machinist understand the theory and application of Computer Numerically Controlled (CNC) lathes, milling machines and associated equipment utilizing Computer Aided Design (CAD), and Computer Aided Machining (CAM) software.

c. U33A - Navy Afloat Maintenance Training Strategy (NAMTS) Inside Machinist performs NAMTS intermediate-level maintenance procedures on marine machinery and auxiliary systems and equipment in support of Fleet-directed requirements. Demonstrates knowledge of intermediate-level repair procedures, repair and maintenance standards, quality assurance specifications, and proper use of maintenance industrial machinery.

8. Acronyms:

ATS – Afloat Training Specialist
MTS – Master Training Specialist
IMA – Intermediate Maintenance Activity
IMF – Intermediate Maintenance Facility
FRC – Fleet Readiness Center
RMC – Regional Maintenance Center
AIMD – Air Intermediate Maintenance Detachment
NSW – Navy Special Warfare
EPCC – Electric Plant Control Console Operator
PACC – Propulsion and Auxiliaries Control Console Operator
QAS – Quality Assurance Supervisor
QAO – Quality Assurance Officer
AQAO – Assistant Quality Assurance Officer
DCCT – Damage Control Training Team
ETT – Engineering Training Team
CEW – Chief Electrical Watch (CVN)
CAO – Chief Auxiliary Operator (CVN)
EDO – Engineering Duty Officer
COW – Chief of the Watch (CVN non NUC EOOW)
RCO – Readiness Control Officer (LCS EOOW equivalent)
EOOW – Engineering Officer of the Watch
SEPEC – Shipboard Engineering Plant Program Manager

Consideration for advancement from E6 to E7

1. Sea Assignments (all)

- LPO/ALPO at Sea/Operational/Joint/Expeditionary
- Qualified EDO/EOOW a plus
- INSURV Team Lead a plus
- At least one warfare pin
- DCTT Coordinator/U46A NEC a plus
- Command Collateral with documented impact
- Qualified 3M 301 - 3M 305
- FCPOA involvement
- Sailor 360 involvement
- Qualified QAS a plus

2. Shore Assignments (all)

- RDC(w/MTS)/ATG(w/ATS)/TYCOM Staff/BUPERS/Service/SPECWAR/Expeditionary/Rating Instructor (All screened billets) Disaster Preparedness operations team member.
- Instructor Duty (805A) (MTS at all levels)
- Completed PPME, USMAP



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- Community involvement
- Qualified QAS a plus

Consideration for advancement from E7 to E8

1. Sea Assignments (all)

- Department LCPO/ LCPO FDNF a plus
- 3MC with documented impact a plus
- Qualified EDO/EOOW a plus
- At least one warfare pin
- DCTT Coordinator/U46A NEC a plus
- Command Collateral with documented impact
- Completed PPME/JPME/USMAP
- Active CPO Mess involvement, holding a position with documented performance
- Sailor 360/CPO 365 involvement and leading a committee/Season

2. Shore Assignments (all)

- Recruiting Duty (serving as LSO or LCPO)/RDC/ATG (obtained ATS/MTS)/TYCOM Staff/BUPERS/SPECWAR/Expeditionary/Rating Instructor (obtained MTS) (All screened billets)/FLC's (impact billet on the waterfront)/ASD (with documented impact) Disaster Preparedness operations team leader.
- Completed PPME/JPME/SEJPME I/USMAP

Consideration for advancement from E8 to E9

1. Sea Assignments (all)

- DLCPO/ LCPO(CVN) at Sea/Operational/Joint, FDNF a plus
- 3MC with documented impact a plus
- At least one warfare pin
- DCTT Coordinator/NEC U46A a plus
- Command Collateral with documented impact
- Completed PPME/JPME/USMAP
- Senior Enlisted Academy (SEA)
- Active CPO Mess involvement, holding a position
- Sailor 360/CPO 365 involvement and leading a committee/Season

2. Shore Assignments (all)

- Recruiting Duty (serving as LSO or DLCPO)/RDC (Ship LCPO)/ATG (obtained ATS/MTS)/TYCOM Staff/BUPERS/SPECWAR/Expeditionary/Rating Instructor (obtained MTS) (All screened billets)/FLC's (impact billet on the waterfront)/ASD (with documented impact)
- Completed PPME/JPME/SEJPME I and II/USMAP
- Served as SEL or DLCPO or 3MC